

HBP
7-18
NASON



Century Oil & Gas Corporation
Suite 800 7887 East Belview Englewood Colorado 80111

NW POPLAR AREA

Roosevelt Co., Montana

LEGEND

● PRODUCING OIL WELL

▼ DRY HOLE WITH OIL SHOW₁₇

◆ PLUGGED OUT PRODUCER

⊙ WATER INJECTION WELL

○ DRY HOLE

○ GAS WELL

CLARK #1 SWDW

T.
29
N

12-30-87

HBP

HBP

8-26-86

29

16
R. 50 E.

GOINGS #1 SWDW

HBP

2-21-85

HBP

4-1-86

HBP

T.
29
N

HBP 4-1-85

HBP

SWD

27-1

27

5-26-85

2-10-87

28
R. 50 E.

27-9



October 4, 1984

Ms. Josephine Blackdog
Box 121
Brockton, MT 59213

Re: U.S. Environmental Protection Agency
Requirement Letter
Salt Water Disposal Well
Century's Goings #1 SWDW
Roosevelt County; Montana
Township 29 North, Range 50 East
Section 27: NE1/4NW1/4
(see attached plat)

In securing this permit, Century is required by USEPA to notify all Indian surface owners within a one-half mile radius and all non-Indian surface owners within a one-quarter mile radius of these saltwater disposal wells of the following information:

The Goings #1 SWDW operated by Century Oil & Gas Corporation in the Northwest Poplar Field, Roosevelt County, Montana, is a water disposal well disposing of produced formation water (Charles C) into the Dakota formation. This SWDW sits next to and services disposal needs of the Goings #27-3 oil along with other wells in the area (see attached plat). This SWDW was drilled to a depth of 1187' to dispose of produced waste in the Judith River Formation of the Montana group of Cretaceous age. At this location there are no aquifers above the disposal horizon. Normal oil field practices were observed to protect potential aquifers, if any existed. The Dakota formation has since the 1950's been taking produced formation water from a number of disposal wells throughout the country.

Century Oil & Gas Corporation Goings #1 SWDW, 528' FNL and 2065' FWL, Section 27, Township 29 North, Range 50 East.

The disposal horizon in the Goings #1 SWDW is the Judith River Formation on the Montana group of Cretaceous age. It is predominantly fine to occasional medium grained sandstone - with siltstone and shale laminae. Its depositional mode was a shallow shelf marine environment on the western flank of the Cretaceous inland seaway. The Judith River varies in thickness from 70 to 80 feet and in this area, depending on surface elevation, is found at drilling depths of 1000 to 1200 feet below the surface. The basal contact of the Judith River is with the Claggett Formation, a shale of shallow marine origin with a thickness of 300'±. The upper contact of the Judith River is with the Bearpaw Formation, a shale of similar depositional mode to the Claggett. Its thickness varies widely due to surface exposure in the area, but is approximately 1000 feet thick.

4. Maximum injection pressures and volumes of the injection wells.

The maximum daily injection rate and pressure realized at the Goings #1 SWDW are as follows:

Goings #1 SWDW: 900 BWPD maximum daily injection rate
700 PSIG maximum daily injection pressure

5. Product to be disposed of in Goings #1 SWDW.

Brine waste water (saltwater) that is produced in conjunction with oil from various oil wells in the area. This waste water is separated from the oil and trucked or pipelined to the SWDW site with the oil being sold.

6. Opportunity for surface owners to comment.

There will be an opportunity for each person contacted herein to comment on the SWDW after USEPA prepares drafts of the permit for this well. USEPA will contact you once the permit is drafted for said comments.

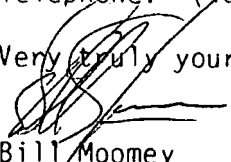
7. Indian Lands

A copy of all letters to allottees of Indian Lands plus Tribal Lands will be forwarded to Mr. David Allison, Ft. Peck Agency, Bureau of Indian Affairs, P.O. Box 637, Poplar, Montana 59255 for BIA advice, comment and concurrence.

If you should have any questions or comments concerning this saltwater disposal well, please call or write myself as listed on this letterhead or contact the USEPA representative for this area as below listed:

Mr. Jim Boyter
U.S.E.P.A.
Montana Operations Office
Federal Office Bldg.
Drawer 10096
301 South Park
Helena, MT 59601-0026
Telephone: (406) 449-5486

Very truly yours,


Bill Moomey
Land Manager

BRM/amr

cc: Mr. Jim Boyter
U.S.E.P.A.

HBP

7-16

NASON

LEGEND

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○ DRY HOLE WITH OIL SHOW₁₇

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R. 50 E.



Century Oil & Gas Corporation

Suite 800 7887 East Belview Englewood Colorado 80111

NW POPLAR AREA

Roosevelt Co., Montana

HBP

13-14

2-21-85

HBP

4-1-86

HBP

T.
29
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GOINGS #1 SWDW

HBP

SWD

HBP

4-1-85

2-10-87

28

R. 50 E.

5-28-85

27.9



Century Oil & Gas Corporation

Suite 800
7887 E. Belleview Avenue
Englewood, Colorado 80111

Phone 303 694-1533
ITT Telex 4322037

October 3, 1984

Laura Clemmens
Ref. No. 8WM-DW
U.S.E.P.A.
1860 Lincoln Street
Denver, CO 80295

✓ Jim Boyter
U.S.E.P.A.
Montana Operations Office
Federal Office Bldg.
Drawer 10096
301 South Park
Helena, MT 59601-0026

ENVIRONMENTAL PROTECTION
AGENCY
OCT 09 1984
MONTANA OFFICE

Dear Ms. Clemmens and Mr. Boyter:

Re: My August 27, 1984 Letter
Century's Vickers #1,
Goings #1 and Clark #1
Salt Water Disposal Facilities
Roosevelt County; Montana
Township 29 North, Range 50 East

I have enclosed herein a map for each of you for your areas of responsibility showing a one-half mile circle around the indicated SWD highlighted in yellow:

Laura Clemmens: Vickers #1 SWDW

Jim Boyter : Clark #1 SWDW
Goings #1 SWDW

The ownership of surface within these highlighted areas are below listed for each saltwater disposal well (SWDW) as best as we were able to determine utilizing BLM records at Ft. Peck and additionally utilizing our own records plus making telephone calls of inquiry. As you are, no doubt aware, the BLM records at Ft. Peck are not necessarily correct or updated. This is due in a large part to the fact the people move and do not notify the BLM.

A. CLARK #1 SWDW
Roosevelt County; Montana
Township 29 North, Range 50 East

1. Section 20: N1/2
Harry and Beatrice Mason (Fee Lands)
305 CW Street
Polar, Montana 59255
2. Section 20: SE1/4 (Fee Lands)
Section 21: SW1/4
Section 28: W1/2
Section 29: NE1/4
Fred Clark
P.O. Box 217
Polar, Montana 59255
3. Section 21: NW1/4
Marie Cantrell
Bluff-Adon
Polar, Montana 59255

4. Section 20: SW1/4 (Indian Tribal Lands)
Superintendent
Ft. Peck Agency
Bureau of Indian Affairs
P.O. Box 637
Polar, MT 59255

B. GOINGS #1 SWDW
Roosevelt County; Montana
Township 29 North, Range 50 East

1. Section 27: N1/2 (Indian Allotted Lands)
- | | |
|--|--|
| Lois Goings MacKenzie
1907 Colfax Avenue South, Apt. #20
Minneapolis, MN 55403 | Joseph A. Arcasa
P.O. Box 190
Milton, WA 98354 |
| Elaine Goings Armstrong
18002 Lassen Drive
Santa Ana, CA 92705 | Donald L. Goings
Gunnery Sargent
Marine Barracks
Naval Air Station
Alameda, CA 94501 |
| Christina Goings
West 4003 Rowan
Spokane, WA 99208 | Evonne Goings
4003 W. Rowan
Spokane, WA 99205 |
| Jennette Goings Hauser
1513 Georgia Avenue, S.E.
Salem, OR 97302 | Mrs. Juanita R. Hupp
Rural Route #4
Atkinson, NE 68713 |
| Jean Betty Arcasa Condon
General Delivery
Omak, WA 98441 | |
2. Section 27: SE1/4 (Fee Lands)
Martha Hibl
Box 485
Poplar, MT 59255
3. Section 27: SW1/4 (Fee Lands)
Mr. Richard Hibl
Box 485
Poplar, MT 59255
- Christine Gerard
Box 485
Poplar, MT 59255
4. Section 28: E1/2NE1/4 (Allotted Indian Lands)
Estate of Mary Redd
c/o Superintendent
Ft. Peck Agency
Bureau of Indian Affairs
P.O. Box 637
Poplar, MT 59255
- (This is an undetermined estate - The BIA typically handles matters in cases such as this)
5. Section 22: S1/2 (Tribal Indian Lands)
Superintendent
Ft. Peck Agency
Bureau of Indian Affairs
P.O. Box 637
Poplar, MT 59255

6. Section 21: E1/2 (Allotted Indian Lands)
Merlin Yellow Owl
c/o Iola Scott
East Government Housing
Poplar, MT 59255
- Josephine Black Dog
Box 121
Brockton, MT 59213

C. VICKERS #1 SWDW
Roosevelt County; Montana
Township 29 North, Range 50 East

1. Section 6: S1/2SE1/4, W1/2SW1/4
Section 7: E1/2NE1/4, NW1/4NE1/4, NE1/4NW1/4 (Fee Lands)
Fred Clark
P.O. Box 217
Poplar, MT 59255
2. Section 6: NE1/4, N1/2NW1/4, SW1/4NW1/4
Section 7: SW1/4NE1/4 (Fee Lands)
Harry and Beatrice Mason
305 CW Street
Poplar, MT 59255
3. Section 6: SE1/4NW1/4, E1/2SW1/4, NW1/4SE1/4
Section 7: W1/2NW1/4, SE1/4NW1/4 (Tribal Indian Lands)
Superintendent
Ft. Peck Agency
Bureau of Indian Affairs
P.O. Box 637
Poplar, MT 59255
4. Section 5: SE1/4SW1/4
Section 8: N1/2NW1/4, SW1/4NW1/4
Evelyn Little Eagle Foote
Bullhead, SD 57621
- Ronald G. Foote
Bullhead, SD 57621
- Llwelllyn Foote
Bullhead, SD 57621
- Michael Foote
Bullhead, SD 57621
- Joseph Foote
Bullhead, SD 57621
- Glen Edward Foote
Bullhead, SD 57621
- Adrian James Foote
Bullhead, SD 57621
- Leroy Foote
Bullhead, SD 57621
- Robert M. Foote
Bullhead, SD 57621
- Delphine Foote
Bullhead, SD 57621
- Florine Ann Foote
Bullhead, SD 57621
- Donne Foote
275 Western Ave.
St. Paul, MN 55102
- Melda Iron Bear Gone White Hawk
Poplar, MT 59255

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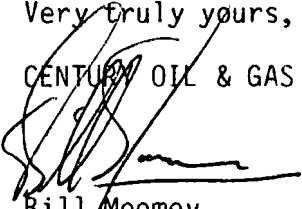
As per our discussions, there are in excess of ten allottees and notification will be to the Superintendent at Ft. Peck for these people:

Superintendent
Ft. Peck Agency
Bureau of Indian Affairs
P.O. Box 637
Poplar, MT 59255

As you can see by looking at each of your maps enclosed herein, this is the surface ownership of all parties within a one-half mile radius of each well. We will be sending out the required letter to all parties by registered mail with receipt copies of all the letters. If you have any questions or comments concerning any of this, please call.

Very truly yours,

CENTURY OIL & GAS CORPORATION



Bill Moomey
Land Manager

BRM/amr

Enclosures

NORTHWEST POPLAR FIELD - GOINGS #1 WELL
CENTURY OIL & GAS CORPORATION

MT-3

ENFO 205A

FY1992

MT00003 (GOINGS #1 SWDW)

ST POPLAR FIELD - GOINGS #1 WELL
OIL & GAS CORPORATION

MT 33

ENFO 205A
MT00003 (GOINGS #1 SWDW)

FY1992

CENTURY OIL & GAS CORPORATION
NORTHWEST POPLAR FIELD - GOINGS #1 WELL